

# **ARTICULATION AGREEMENT**

between

Northwest State Community College

**Approved Career/Technical Programs**

and

Eastern Michigan University  
College of Engineering and Technology  
School of Technology and Professional Services  
Management

**BS in Technology Management**

September 2019

**ARTICULATION AGREEMENT BETWEEN**  
**Northwest State Community College**  
**Approved Career/Technical Programs**  
**and**  
**Eastern Michigan University**  
**BS in Technology Management**

**Article I**  
**Agreement on Principle**

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Eastern Michigan University (EMU) and Northwest State Community College (NSCC) agree that students who choose to begin their studies at a community college and transfer to a university to earn a bachelor's degree should be provided with a smooth curriculum transition that minimizes loss of credit and duplication of coursework. Therefore, EMU and NSCC agree to enter into this articulation agreement to facilitate the completion of an Approved Career/Technical Program or 30 credits in an approved discipline at NSCC and the Bachelor of Science in Technology Management at EMU. Both institutions enter into this agreement as cooperating, equal partners who shall maintain the integrity of their separate programs.

**Article II**  
**Agreement on Program Specifics**

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EMU and NSCC agree that any student who has satisfied the minimum requirements on the attached articulation agreement may transfer the course credits indicated toward a Bachelor of Science in Technology Management at EMU. Under this agreement, EMU will waive the 60-hour rule and require students to complete a minimum of 30 credit hours in EMU coursework, of which 15 hours are program requirements at the 300-level or above. A minimum of 124 total credits is required to graduate.

EMU agrees that students who have the Ohio Transfer Module (OTM) endorsement have satisfied EMU's General Education Core requirements and will be required to complete only the General Education Application Requirements of one Perspectives on a Diverse World course, one "Learning Beyond the Classroom" experience, and a Writing Intensive course in the major. The "Perspectives on a Diverse World" requirement may be taken as part of the OTM and transferred to EMU. Students may complete the OTM before or after admission to EMU. Students who have not satisfied the OTM must complete the General Education Program (both the Core and Application requirements) as applied to transfer students. All other EMU graduation and program requirements must be satisfied whether by transferred courses, EMU courses, or approved substitutions or waivers.

For the purpose of this articulation agreement, both NSCC and EMU agree to accept transferrable courses from each other and from other regionally accredited institutions. Articulation guides will be provided to assist students in completing the articulated program of study. Each institution will determine the satisfaction of their individual program and degree requirements. NSCC courses indicated with an \* on the articulation guide are required for EMU's program. Any substitutions for these courses must be approved by the EMU program coordinator if not already stated in the agreement. In the case of a student who has accumulated credits before declaring this program, every effort will be made to maximize the use of credits already completed. All students using this agreement will be encouraged to complete an associate degree.

Students using this agreement must apply and be admitted to EMU. NSCC students will receive equal consideration with other students seeking admission and financial aid.

### **Article III**

#### **Agreement on Communication**

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NSCC and EMU agree to cooperate in communicating with each other and with their common and respective publics concerning the established relationship between the two institutions. Communication may include the development of various kinds of publications to inform those who might benefit personally or professionally from the opportunities provided by this agreement. Faculty and staff at both institutions will share the information in this agreement with interested and qualified students and both institutions will provide counseling and advising to students and prospective students. EMU will provide transfer student performance data to NSCC officials annually through the Community College Transfer Student Report.

### **Article IV**

#### **Maintenance and Review Procedures**

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At least one administrative or faculty member from each institution will be appointed to act as agents for the implementation of this agreement, to speak for the institutions and to communicate changes to respective faculty members, advisors, counselors, and others to whom the information is pertinent. Responsibility for oversight of this agreement rests with the Dean of Math, Science and Engineering at NSCC and the Director of the School of Technology and Professional Services Management at EMU. Both parties agree to communicate annually any changes in their respective programs that may affect this articulation agreement.

**Effective Dates: September 1, 2019 until August 31, 2022.**

This agreement is consistent with the 2019-2020 catalog. Students have until summer 2027 to graduate from Eastern Michigan University following this agreement. In the event that a student does not complete the program within seven years, they may be required to have their credits reevaluated using the requirements of the current articulation guide.


**ARTICULATION AGREEMENT BETWEEN**  
**Northwest State Community College**  
**Approved Career/Technical Programs**  
**and**  
**Eastern Michigan University**  
**Bachelor of Science in Technology Management**

Northwest State Community College and Eastern Michigan University agree to the terms of this agreement, which will be in effect from **September 1, 2019** until **August 31, 2022**.

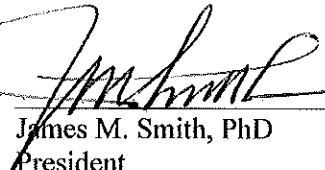
**Signatures**

**Northwest State Community College**

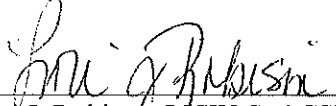
**Eastern Michigan University**

  
 Michael Thomson, PhD  
 President

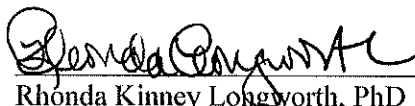
8-6-19  
 Date

  
 James M. Smith, PhD  
 President


7/25/19  
 Date

  
 Lori J. Robison, LISW-S, ACSW  
 Vice President for Academics

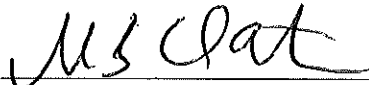
8-6-19  
 Date

  
 Rhonda Kinney Longworth, PhD  
 Provost and Executive Vice President  
 Academic and Student Affairs

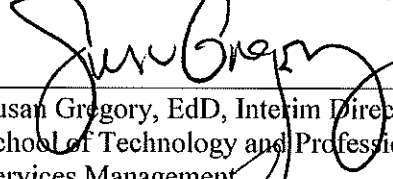
7/24/19  
 Date

  
 Dan Burklo, MSE, PhD  
 Dean of Math, Science & Engineering  
 Technologies

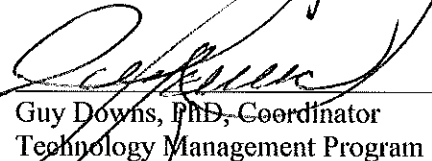
8-6-19  
 Date

  
 Mohamad Qatu, PhD  
 Dean of the College of Engineering and Technology

7.12.19  
 Date

  
 Susan Gregory, EdD, Interim Director  
 School of Technology and Professional  
 Services Management

7-12-19  
 Date

  
 Guy Downs, PhD, Coordinator  
 Technology Management Program

7/11/19  
 Date

**TECHNOLOGY MANAGEMENT ARTICULATION AGREEMENT GUIDE**

Northwest State Community College – **Approved Technical Programs**  
 Eastern Michigan University – **BS in Technology Management**

**Northwest State Community College Courses:**                      **Transfer to Eastern Michigan University as:**

**Ohio Transfer Module + EMU General Education Core Requirements (41 credits)**

*The courses below were selected to satisfy both the OTM and EMU's General Education Core Requirements. If "OTM satisfied" is on the NSCC transcript, then EMU's General Education Core is satisfied and only the Applied requirements of one Perspectives on a Diverse World course, one Writing Intensive course, and one Learning beyond the Classroom course or experience must be completed. All three Applied requirements are included in this guide.*

**1. English Composition: Two courses required**

ENG 111 Composition I.....	3	WRTG 120 Composition I .....	3
<sup>1</sup> ENG 112 Composition II.....	3	WRTG 121 Composition II .....	3

**2. Oral Communication: One course required**

<sup>1</sup> ENG 113 Speech.....	3	CTAC 124 Foundations of Speech Communication.....	3
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**3. Mathematics Electives: One course required**

Choose one course: .....	3	General Education Quantitative Reasoning (GEQR).....	3
MTH 105, MTH 109, MTH213, MTH 214, STA 120			

**4. Arts & Humanities: Three courses required**

Choose two courses: (EMU's Arts requirement).....	6	Knowledge of the Arts (GEKA).....	6
HUM 221, HUM 230, ENG 240			
Choose one course: (EMU's Humanities requirement) .....	3	Knowledge of the Humanities (GEKH).....	3
ENG 223, 230, 240, 241, 250, 251, 260, 261; PHI 110, 201, 210			

**5. Social & Behavioral Sciences: Three courses from at least 2 disciplines**

*ECO 211 Macroeconomics.....	3	ECON 201 Principles of Macroeconomics (GEKS) .....	3
*ECO 212 Microeconomics.....	3	ECON 202 Principles of Microeconomics (GEKS).....	3
Choose one: HIS 101, 102, 203, SSC 101, 120.....	3	Knowledge of the Social Sciences (GEKS).....	3

**6. Natural & Physical Sciences: Two courses from different disciplines**

Choose two courses from below .....	8	Knowledge of the Natural Sciences (GEKN) .....	8
BIO 101, 115, 201, 202, 231, 232, 257; CHM 101,110, 201, 202, 256; PHY 101, 140, 150, 251, 252			

**7. Select additional credits to satisfy the minimum of 40 credits for the Transfer Module**

Choose a second course from #4 EMU's Humanities list... 3	Knowledge of the Humanities (GEKH) .....	3
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**NSCC Technical Concentration (30 credits)**

\*A minimum of thirty (30) credits in career/technical courses from an approved NSCC program or discipline may be transferred as a block for the Technology Management technical concentration. If the program has less than 30 technical credits, courses may be taken at either institution to make up the difference. Meet with the EMU program coordinator to determine which courses apply to the concentration. See page 2 for a list of approved programs and disciplines.

**EMU Requirements and Electives that May be Taken at NSCC or EMU (23 credits)**

<sup>2</sup> Choose one course: (Perspectives on a Diverse World).....	3		
GEO 110, 210; HIS 210; HUM 209, 210; PHI 230; SSC 210			
<sup>3</sup> Open Electives (not to exceed 94 credits at NSCC).....	20	University Electives.....	20

*The number of elective credits will vary depending on the technical concentration. Students must complete a minimum of 124 total credits with at least 30 credits at EMU for a bachelor's degree. Be sure to keep track of your total credits. Students should consult a NSCC counselor to select the appropriate courses for a certificate or associate degree.*

**Credits at NSCC:..... 94      Credits that transfer to EMU..... 94**

\* Required for EMU's Technology Management program. If not transferred, must be completed at EMU.

<sup>1</sup> Required for EMU's General Education program.

<sup>2</sup> Satisfies EMU's Perspectives on a Diverse World requirement

<sup>3</sup> The number of elective credits may vary depending on the credits completed to satisfy the general education and concentration courses. No more than 94 credits will apply to the degree at EMU.

Sign up with us: *If you let us know you are using this articulation agreement we can stay in touch with you and provide information and advising to you while you are still at your community college.*

**TECHNOLOGY MANAGEMENT ARTICULATION AGREEMENT GUIDE**

Northwest State Community College – **Approved Technical Programs**  
 Eastern Michigan University – **BS in Technology Management**

**Completion of Technology Management Major**

**Major Requirements (30-33 credits)**

**Core Courses (18 credits)**

TM 130	Introduction to Technology Management.....	3
TM 212	Management of Technological Change .....	3
TM 311	Information Technology Mgmt & Organizations.....	3
<sup>1</sup> TM 314W	Managing for Process Improvement .....	3
TM 402	Technology Project Management .....	3
TM 415	Senior Seminar in Technology Management.....	3

**Technology Mgmt Electives (12 credits)**

Choose from the following: .....12

*(At least 3 hours at the 300/400 level must be completed.)*

ACC 130	Accounting for Non-business majors (3)	
ACC 240	Prin of Financial Accounting (3)	
ACC 241	Prin of Managerial Accounting (3)	
FIN 350	Principles of Finance (3)	
FIN 358	Financial Statement Analysis (3)	
LAW 293	Legal Environment of Business (3)	
LAW 403	Employment Law (3)	
LEGL 320	Cyber Law & Compliance (3)	
MGMT 384	Human Resource Management (3)	
MGMT 386	Organizational Behavior & Theory (3)	
MGMT 388	Intro to Entrepreneurship (3)	
<sup>1</sup> MGMT 480W	Management Responsibility & Ethics [GEWI] (3)	
MKTG 360	Principles of Marketing (3)	
MKTG 369	Advertising (3)	
MKTG 473	Marketing and Product Innovation (3)	
<sup>2</sup> TM 306	Quan Analysis of Sustainability Issues [GEQR] (3)	
TM 308	Seminar in Technological Impacts (3)	
TM 377/378/379	Special Topics (1/2/3)	
<sup>3</sup> TM 387L4	Cooperative Education (3)	
TM 420	Women and Technology (3)	
TM 477/478/479	Special Topics (1/2/3)	
TM 495	Technology, Values, and the Future (3)	

**LBC Requirement (0-3 credits)**

One "Learning Beyond the Classroom" (LBC) course or noncredit experience must be completed at EMU. Taking TM 387L4 Cooperative Education as a restricted elective satisfies the LBC requirement. See program advisor for other options.

**Minimum Credits at EMU:** .....30

**Maximum Transfer Credits:** .....94

**Minimum Credits to Graduate:** .....124

<sup>1</sup> Satisfies EMU's Writing Intensive requirement

<sup>2</sup> Satisfies EMU's Quantitative Reasoning requirement

<sup>3</sup> Satisfies EMU's "Learning Beyond the Classroom" requirement

**Approved NSCC Programs:**

**Allied Health, Business and Public Services**

- Accounting
- Banking and Finance
- Business Management
- Criminal Justice
- Crop & Soil Management
- Entrepreneurship
- Human Resource Management
- Human Resources
- Law Enforcement
- Logistics & Supply Chain Management
- Marketing
- Medical Assisting
- Office Administration-all tracks
- Office Management
- Paralegal
- Paraprofessional Education
- Health Information Technician
- Medical Laboratory Technician
- Occupational Therapy Assistant
- Radiographic Imaging
- Respiratory Care Practitioner

**Arts and Sciences**

Visual Communication-Graphic Design

**Math, Science and Engineering Technologies**

- CAD/CAM
- Computer Programming
- Computer Science Engineering Technology
- Cybersecurity
- Electrical Engineering Technology
- Electro-Mechanical Engineering Technology
- Mechanical Engineering Technology
- Network Administration
- Plastics Engineering Technology
- Project Management Technology
- Maintenance Technician/Mechatronics
- Other programs or disciplines with approval of the Program Coordinator

**Note:** The Technology Management major is offered online.

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**Additional Information:**

1. Each institution will determine the satisfaction of their individual program and degree requirements. Both Northwest State Community College and EMU agree to accept transferable courses from each other and from other regionally accredited institutions. Northwest State Community College courses indicated with an \* are required for EMU's BS in Technology Management. Substitutions for these courses must be approved by the EMU program coordinator.
2. Students with the Ohio Transfer Module endorsement on their college transcript have satisfied EMU's General Education Core Requirements and will be required to complete only the General Education Application Requirements of one Perspectives on a Diverse World course, one "Learning Beyond the Classroom" experience, and a Writing Intensive course in the major. The "Perspectives on a Diverse World" requirement may be taken as part of the OTM and transferred to EMU.
3. Only courses with a grade of "C" or better (2.0 on a 4.0 scale) will be accepted for transfer to either institution.
4. Under this agreement, EMU will waive the 60-hour rule and require that a minimum of 30 credit hours be completed in EMU coursework, of which 15 hours is in program requirements, at the 300-level or above. Of the last 30 hours completed before graduating, at least 10 hours must be in courses offered by EMU. A minimum of 124 total credit hours, completed in-residence or accepted in transfer, is required for graduation.
5. Students are encouraged to contact the College of Engineering and Technology Student Service Office before applying to EMU. To facilitate advising and the evaluation of transcripts, sign up for this articulation agreement, and bring a copy of the articulation guide to all advising sessions.

**Effective dates: September 1, 2019 until August 31, 2022.**

This agreement is consistent with the 2019-2022 catalog. Students have until summer 2027 to graduate from Eastern Michigan University following this agreement. In the event that a student does not complete the program within seven years, they may be required to have their credits reevaluated using the requirements of the current articulation guide.

**Contacts:**

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 Math, Science & Engineering Technologies

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 734.487.8659, [cot\\_tm@emich.edu](mailto:cot_tm@emich.edu)